

Notice of Allowability

Application No.

10/814,809

Examiner

Hoang V. Nguyen

Applicant(s)

MELMAN, DAWN

Art Unit

2821

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on 3/3/06.
2. ☒ The allowed claim(s) is/are 1,2,4-7,9,10 and 12-20.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


HOANG V. NGUYEN
PRIMARY EXAMINER

Allowable Subject Matter

1. Claims 1, 2, 4-7, 9, 10 and 12-20 are allowed.
2. The following is an examiner's statement of reasons for allowance:

Regarding claim 1, the device of Mariotti would enable the method of making a device comprising the steps of winding a coil; disposing the coil in a predetermined position on a component which forms part of the device; connecting the ends of the coil to first and second pins by winding the ends of the coil onto the pins; and disposing the first and second pins in electrical connection with first and second connection structures formed on a printed circuit board which is disposed on the component. Mariotti, however, fails to specifically teach that the component is a molded body and wherein the steps of disposing the coil, connecting the ends of the coil to the first and second pins and the step of disposing the first and second pins in the first and second connecting structure, are all carried out in absence of overmolding of any part of the coil once disposed on the molded body.

Claims 2, 4-7 and 9 are allowed for depending on claim 1.

Regarding claim 10, the coil structure of Mariotti would enable the method of making a device comprising winding an antenna coil; connecting a first end of the coil to a first pin; disposing the coil in a predetermined position on a component which forms part of the device; connecting a second end of the coil to the second pin; disposing the first pin in a first predetermined position on a PCB which is disposed in the device with the component; and disposing the second pin in a second predetermined connection position on the PCB. Mariotti, however, fails to teach the specific the steps of connecting the first end of the coil to the first pin;

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connecting the second end of the coil to the second pin; disposing the first pin in the predetermined position and the step of disposing the second pin in the second predetermined connection position are carried out in absence of a molding process wherein the coil is overmolded.

Claims 12-14 are allowed for depending on claim 11.

Regarding claim 15, the device of Mariotti would enable the method of making a device comprising the steps of molding first and second components; forming an antenna coil. Mariotti, however, fails to further teach the sequential steps of disposing the antenna coil on the first component without overmolding the coil; disposing a printed circuit board on one of the first and second components; connecting the first and second ends of the coil to the PCB to establish first and second electrical connections between the coil and the PCB; and coupling the first and second components together to enclose the non-overmolded coil.

Claim 16 is allowed for depending on claim 15.

Regarding claim 17, Mariotti discloses a device comprising first and second molded components; a printed circuit board disposed with one of the first and second components and connected to the antenna coil via first and second pins which respectively have first and second ends of the coil wound therearound and soldered thereto, and wherein the first and second pins are soldered to first and second connection structures on the PCB. Mariotti, however, fails to specifically disclose a non-overmolded antenna coil which is disposed on one of the first and second molded components.

Claims 18-20 are allowed for depending on claim 17.

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3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Patent 6,552,655 discloses a signaling arrangement for vehicle.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hoang V. Nguyen whose telephone number is (571) 272-1825. The examiner can normally be reached on Mondays-Fridays from 8:00 a.m. to 4:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on (571) 272-1834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

7. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Hvn
3/15/06



**HOANG V. NGUYEN
PRIMARY EXAMINER**